



POSITION DESCRIPTION

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|-----------------------------|------------------------------------|-------------------------------|---------|
| Position | Graduate Software Developer | | |
| Position Number | TBC | Level/ Classification: | HEW0505 |
| Reports to | Senior Operations Manager | | |
| Unit | Australian National Phenome Centre | | |
| Directorate | Health Futures Institute | | |
| Positions Supervised | Nil | | |

Position Purpose

The Graduate Software Developer assists in developing registries and software for the Australian National Phenome Centre (ANPC). Under close supervision, the Graduate Software Developer will receive training and mentoring in a world class facility with the aim of enhancing our understanding of the interactions between individuals' genetics, lifestyle and environment and with focus on identifying novel biomarkers of disease to improve their diagnosis and treatment, as well as providing a new framework for patient stratification and augmenting current clinical practice.

About Murdoch University

Murdoch University helps people discover how to make a difference, through education and research endeavor, and remains one of the most inclusive universities in the country, providing students with quality education and recognised academic standing within an engaging and caring environment. We are a university for all, irrespective of background and social standing with a focus on social equity, self-direction and freedom of thought and belief.

With strong links to government, business and the community, Murdoch University helps people discover how to make a difference. We are a young, innovative and enterprising university with more than 23,000 students and 1,700 staff across Perth, Singapore and Dubai. We are committed to high quality education, innovative research, and strong community engagement both locally and internationally.

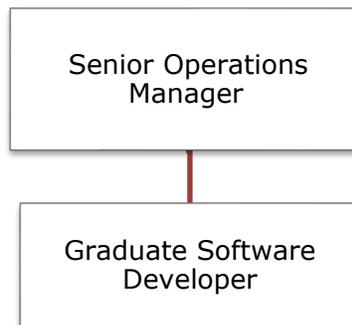
Our Strategic Plan and Future Horizon 2017-2027 outlines an ambitious blueprint for development and growth, with a focus on one purpose: to be a creative force for current and future generations.

We are clear about our two core goals: to educate free thinkers who thrive in society and are sought after by employers; and, to provide life changing solutions for the world's big challenges through our outstanding translational research and innovative practice.

About the Work Area

The ANPC is a dedicated facility established for the purpose of performing "industrial-scale" metabolic phenotyping. The ANPC is a core platform of the Western Australian Health Translation Network (WAHTN) which brings together expertise from all Western Australians. universities, major hospitals, medical research institutes and partner. These include the Telethon Kids Institute, the Pawsey Supercomputing Centre and the EPICentre at the University of New South Wales. Led by Murdoch University, the Centre is a powerful resource for health science researchers, enabling them to examine the complex interaction and influence of genes, the environment and lifestyle on human and animal health. The ANPC is located on Level 3 of the Harry Perkins Institute of Medical Research, adjacent to the Fiona Stanley Hospital.

Reporting Relationships



Key Responsibilities / Duties

1. Provide assistance to support continuous improvement throughout the software development life cycle
2. Test code for applications and assist in modelling of disease registries
3. Embody the University's values within and beyond the University, building equality and diversity and encouraging social responsibility
4. Support and promote compliance with relevant legislation and University policies and procedures, including equity and health & safety and exhibit good practice in relation to same
5. Carry out, and assist with, miscellaneous activities as requested

Selection Criteria Essential

1. Completion or near completion of an undergraduate degree from a tertiary institution relevant to the area of software engineering, information technology, computer science,

or similar a similar field

2. Knowledge of basic concepts of the software development
3. High attention to detail and methodical approach
4. Demonstrated intermediate level of computer literacy with the ability to produce work using software such as Microsoft Office applications, with the capability and willingness to learn new packages as appropriate.
5. Ability to work collaboratively in a team environment with the capability to adapt to changing priorities and demonstrate initiative.
6. Ability to manage multiple, concurrent tasks, which have competing demands.

Desirable

1. Previous experience in Python, Javascript
2. Previous experience in software testing

Work Requirements

1. Australian residency or possession of a valid visa with work entitlement in Australia.
2. Ability to work outside normal office hours when required.

Guiding Principles and Values / Code of Ethics and Code of Conduct

The founding principles upon which Murdoch University was established continue unabated today. We continue to be guided by the principles of:

- Equity and Social Justice
- Opportunity
- Sustainability
- Global Responsibility

These Murdoch principles come to life through our culture as evidenced by being an institution where the following are clear:

- Integrity
- Respect and Diversity
- Purpose
- Excellence and Future-focus

All staff will comply with the University's Code of Ethics and Code of Conduct and demonstrate a commitment to its Equity, Diversity and Safety principles and the general capabilities of personal effectiveness, working collaboratively and demonstrating a focus on results.

All Staff are to complete a Development Review Annually. Details of the University policies on Development Review can be accessed [here](#). A Commencing Development Review should be completed within 3 months of commencement.